



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/889,053B
Source: PCT09
Date Processed by STIC: 3/13/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

PCT 09

DATE: 03/13/2003

TIME: 14:52:54

Output Set: N:\CRF4\03132003\I889053B.raw

ERRORED SEQUENCES

→ Xaa in sequence, feature required
See p. 3

```

E--> 105 Phe Val Asn Gln His Leu Xaa Gly Ser His Leu Val Glu Ala Leu Tyr
      107      1                      5                      10                      15
E--> 111 Leu Val Xaa Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Ala
      113                      20                      25                      30

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/889,053B

DATE: 03/13/2003
TIME: 14:52:55

Input Set : A:\7379p2.app
Output Set: N:\CRF4\03132003\I889053B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39,41
Seq#:1; Line(s) 43,45,47,49,51,53
Seq#:2; Line(s) 55,57,59,61,63,65,67,69,71,73
Seq#:3; Line(s) 75,77,79,81,83,85,87,89,91,93
Seq#:4; Line(s) 95,97,99,101,103,105,107,109,111,113,115,117,119
Seq#:5; Line(s) 121,123,125,127,129,131,133,135,137,139
Seq#:6; Line(s) 141,143,145,147,149,151,153,155,157,159
Seq#:7; Line(s) 161,163,165,167,169,171,173,175,177,179
Seq#:8; Line(s) 181,183,185,187,189,191,193,195,197,199
Seq#:9; Line(s) 201,203,205,207,209,211,213,215,217,219,221,223,225,227,229
Seq#:9; Line(s) 231

VARIABLE LOCATION SUMMARY

DATE: 03/13/2003

PATENT APPLICATION: US/09/889,053B

TIME: 14:52:55

Input Set : A:\7379p2.app

Output Set: N:\CRF4\03132003\I889053B.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:4; Xaa Pos. 7,19

VERIFICATION SUMMARY

DATE: 03/13/2003

PATENT APPLICATION: US/09/889,053B

TIME: 14:52:55

Input Set : A:\7379p2.app

Output Set: N:\CRF4\03132003\I889053B.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number

L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:105 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4

M:340 Repeated in SeqNo=4